

JP STASH POPPERS × REMA 1000

**Hvordan blir opplevelsen for publikum og foreleser forbedret av nye kontroll-features i appen i forhold til en vanlig fjernkontroll?**

**Hvordan kan man designe en robust kommunikasjonsprotokoll for toveis sanntidssynkronisering mellom mobil klient og desktop-server, og hvilke teknologier møter de tekniske kravene for latens, pålitelighet og implementasjonskompleksitet?**

**Hvordan kan ny funksjonalitet integreres i en eksisterende kodebase for å maksimere kompatibilitet og samtidig unngå versjonskontrollkonflikter?**

# Idémyldring

Problem: vi har 48 timer og uendelig energidrikke.

Hva skal vi lage?

# **Digitalt kjøleskap?**

Alt du trenger på ett sted



# Digital eskap?

Alt du  
tasted

# **AR-walkthrough av butikken?**





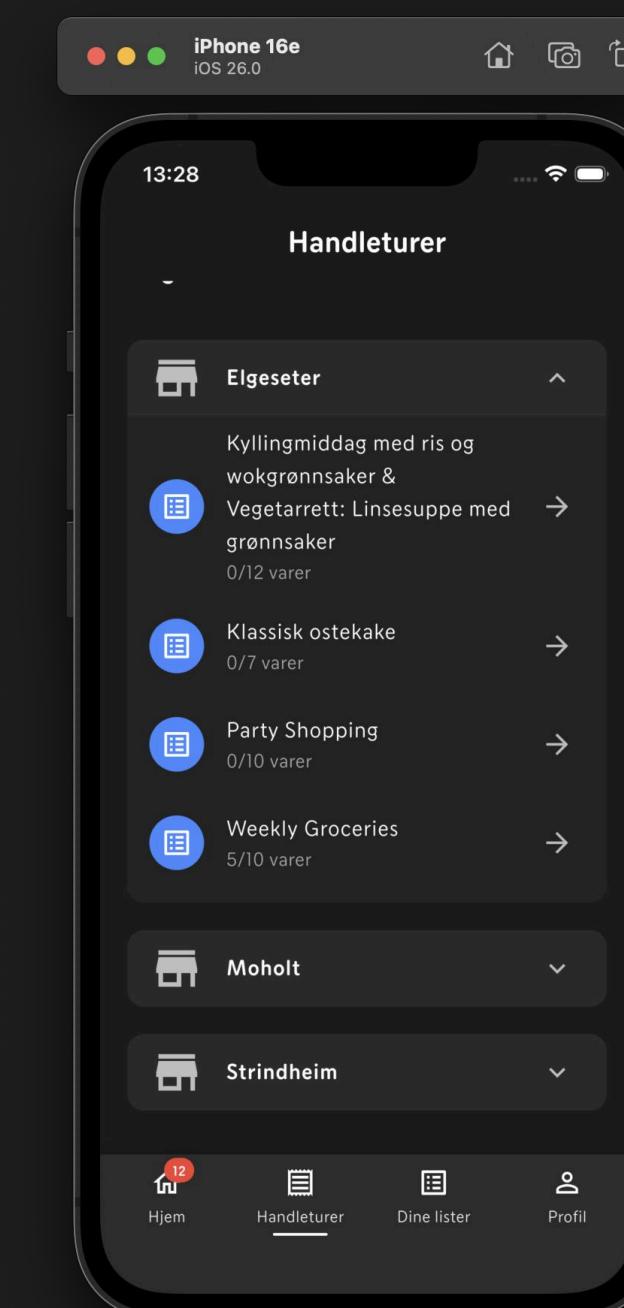
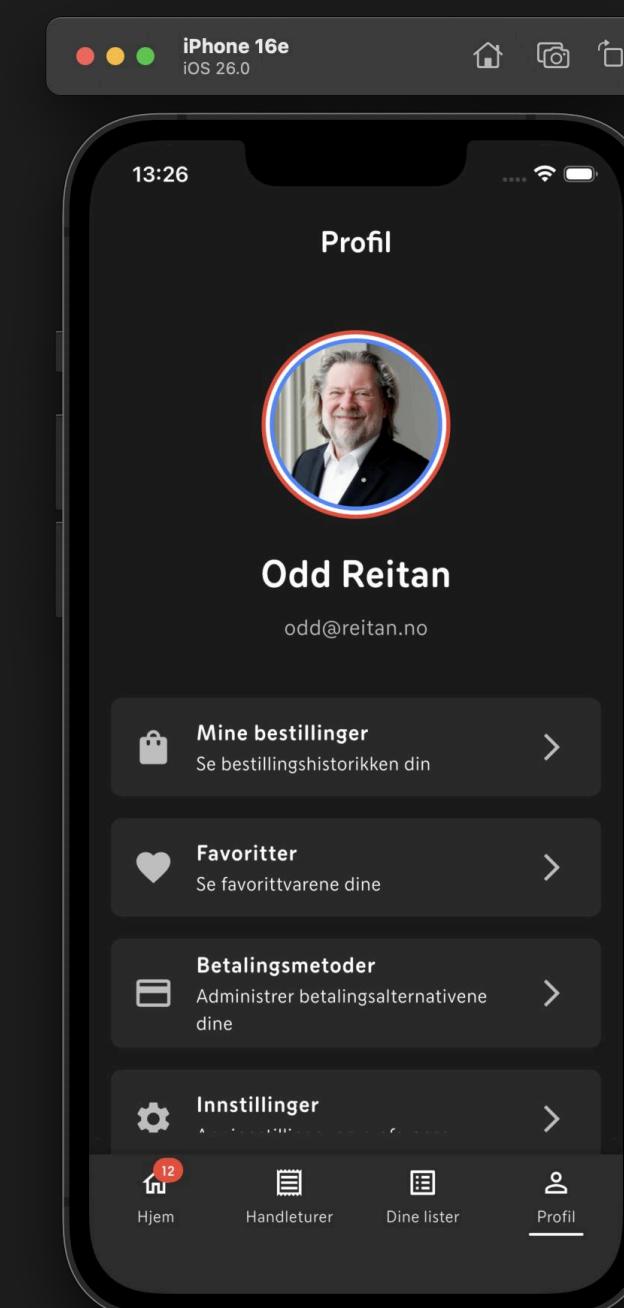
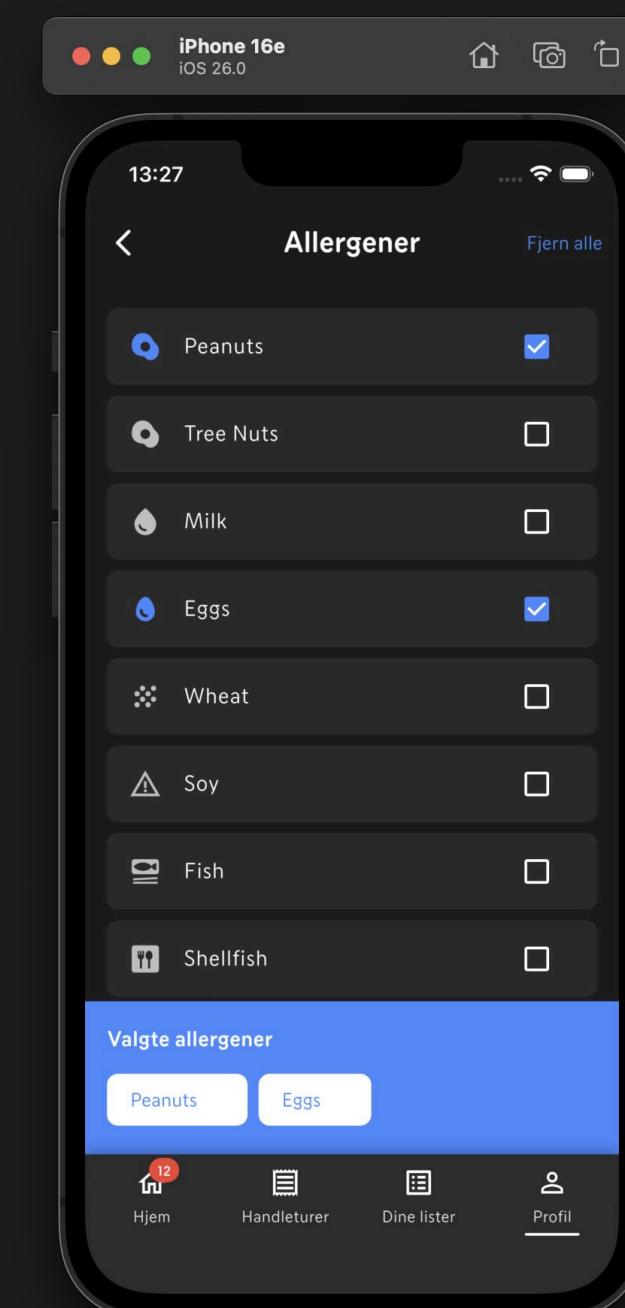
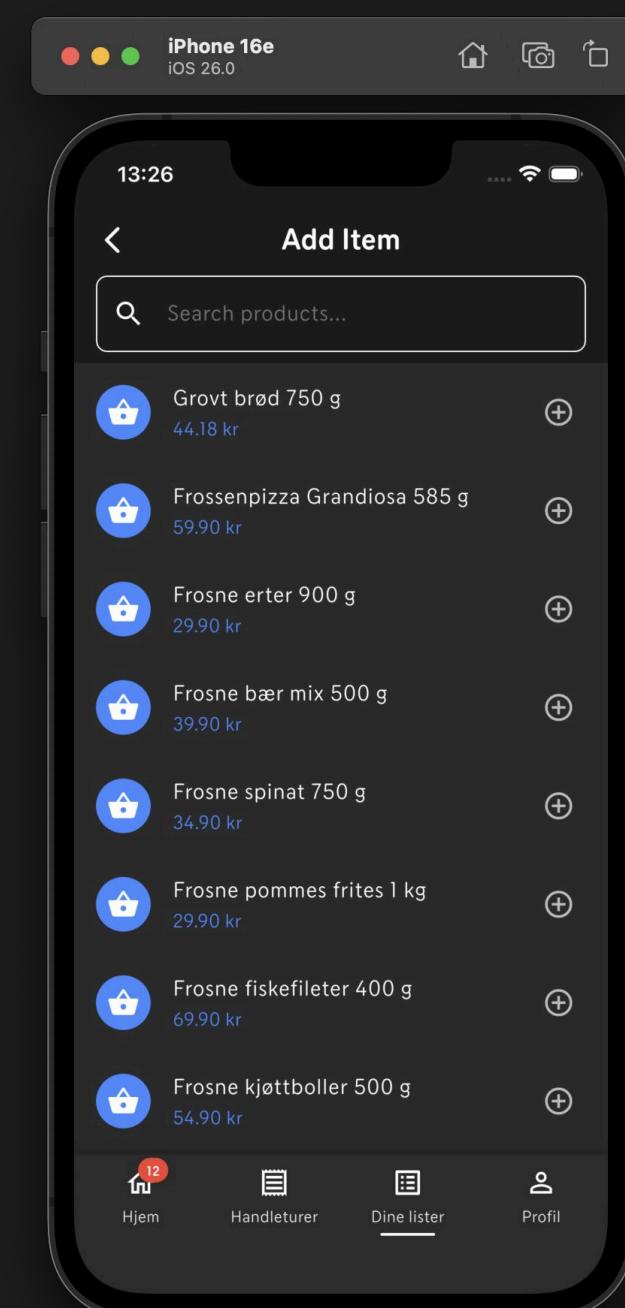
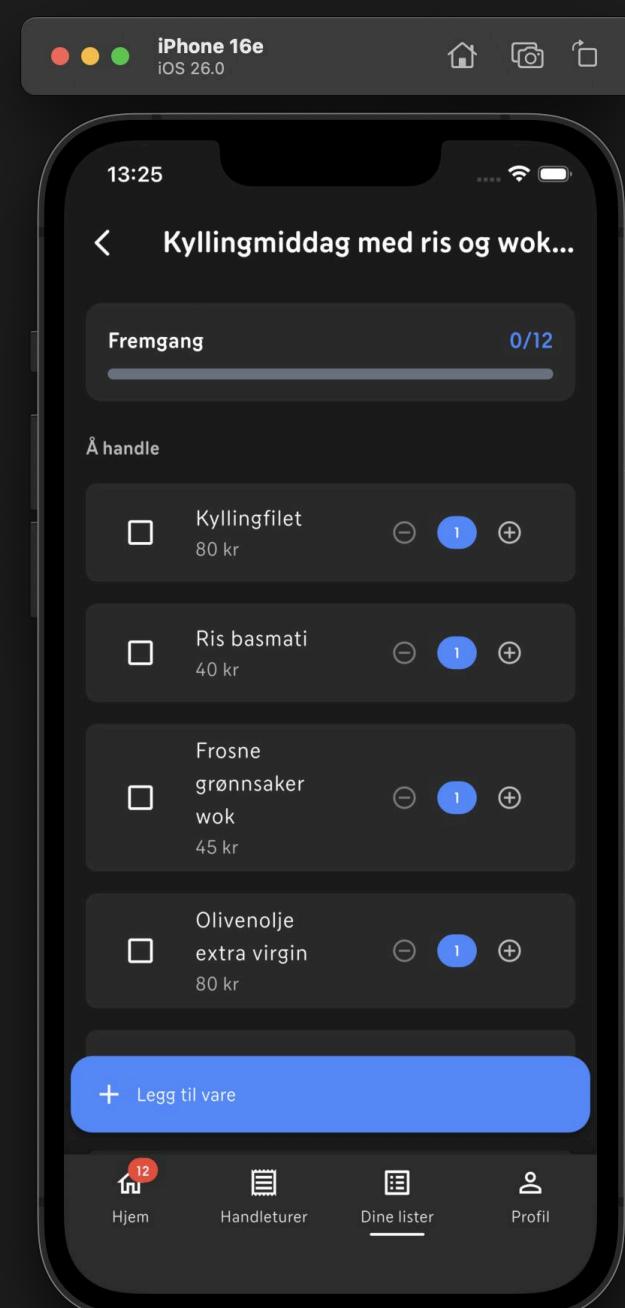
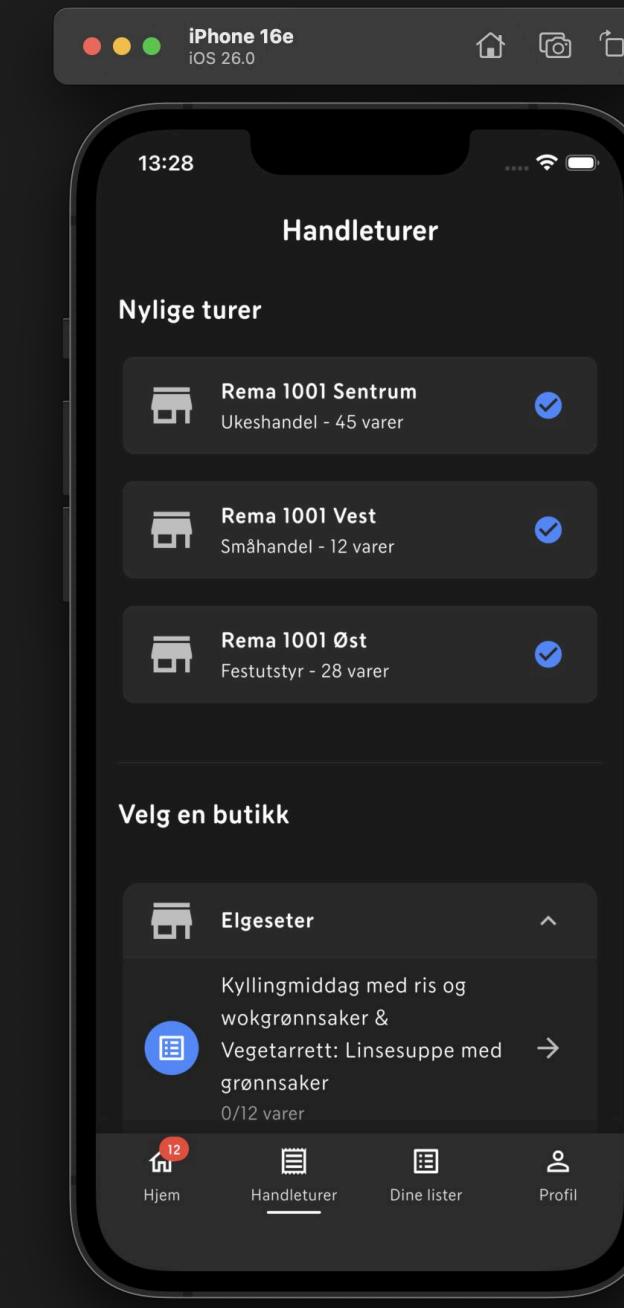
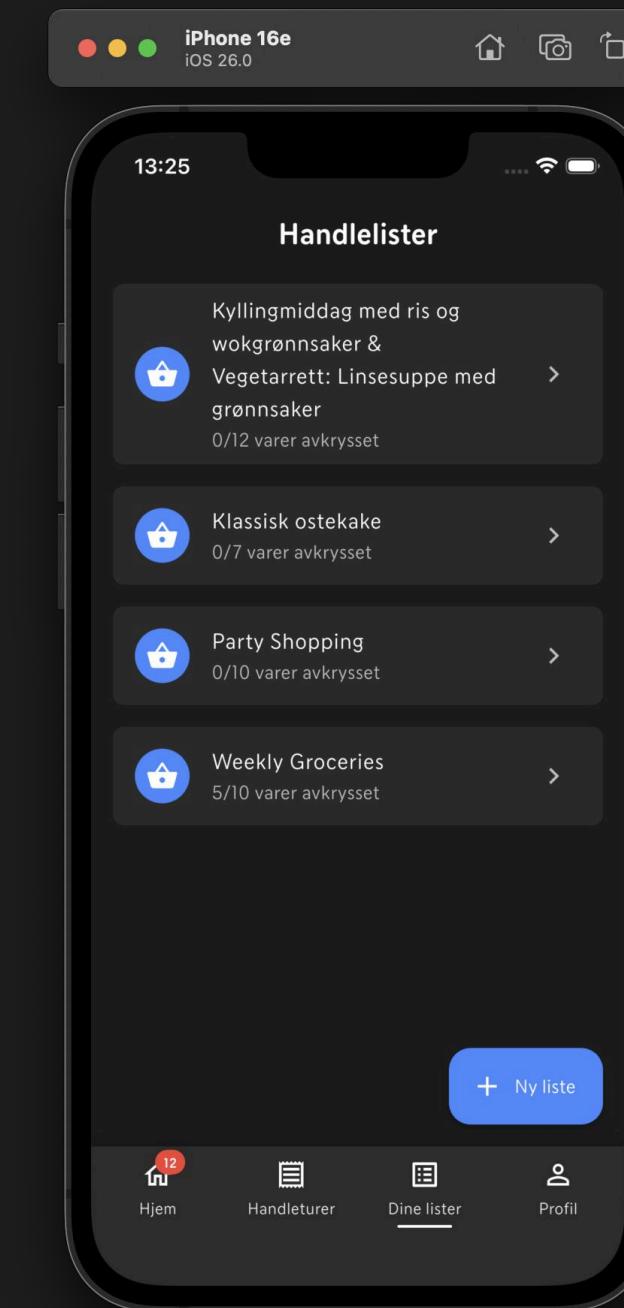
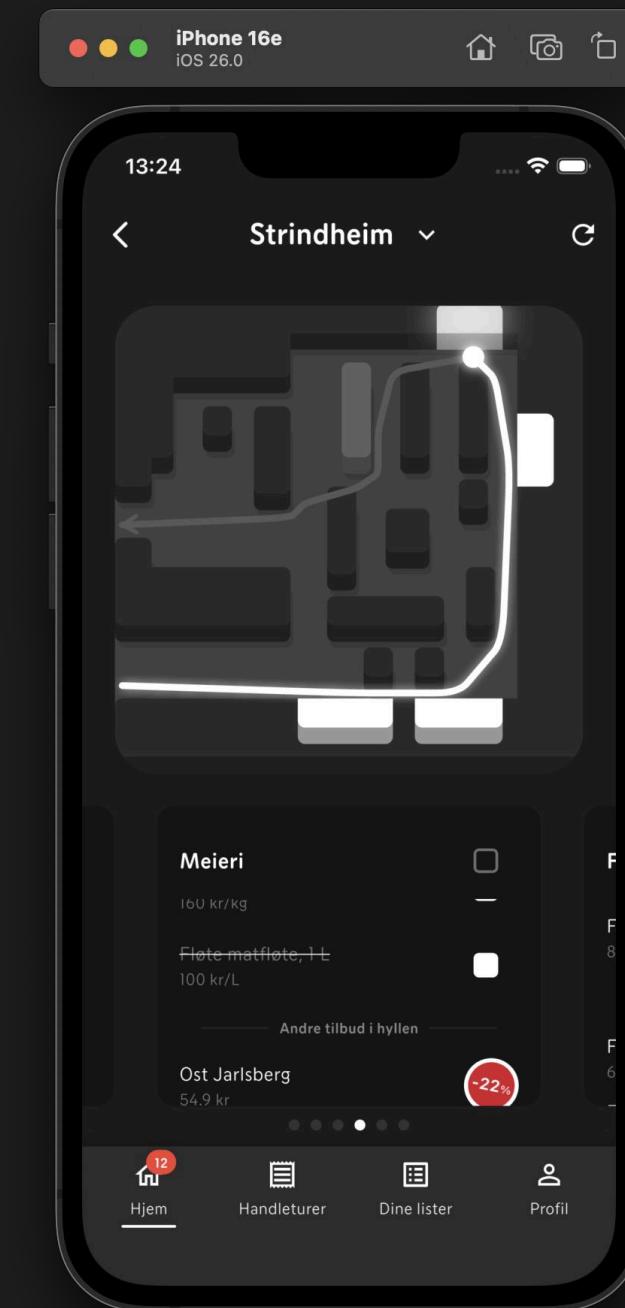
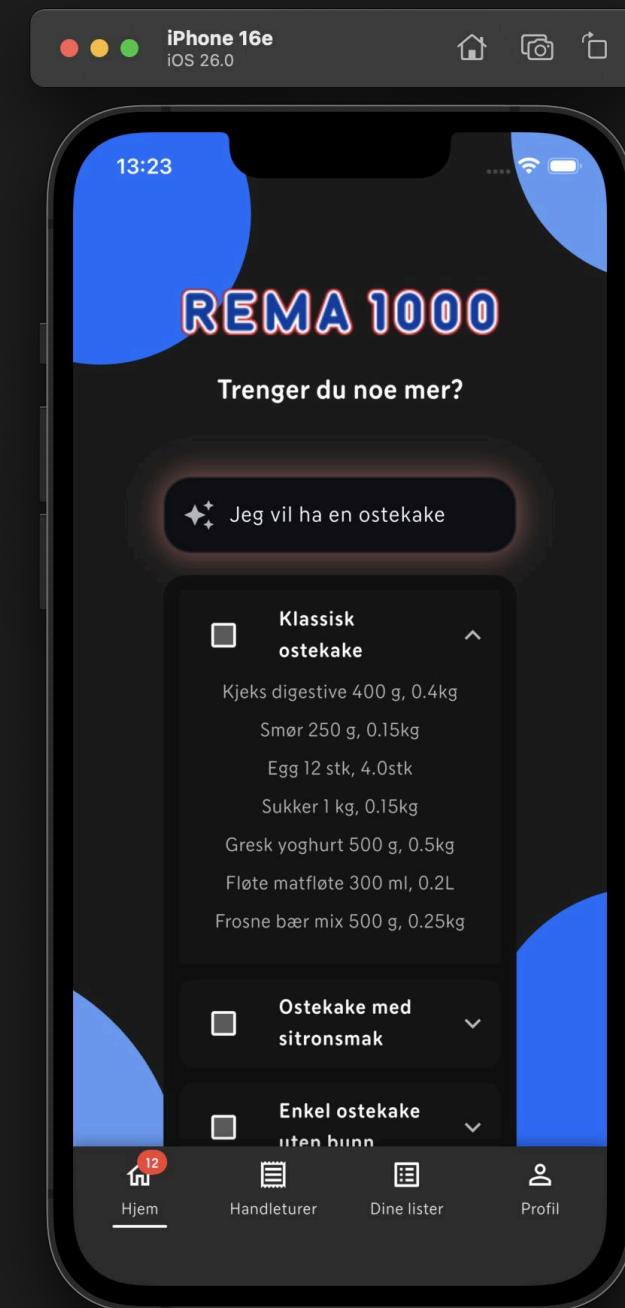
Gulost



Gulost



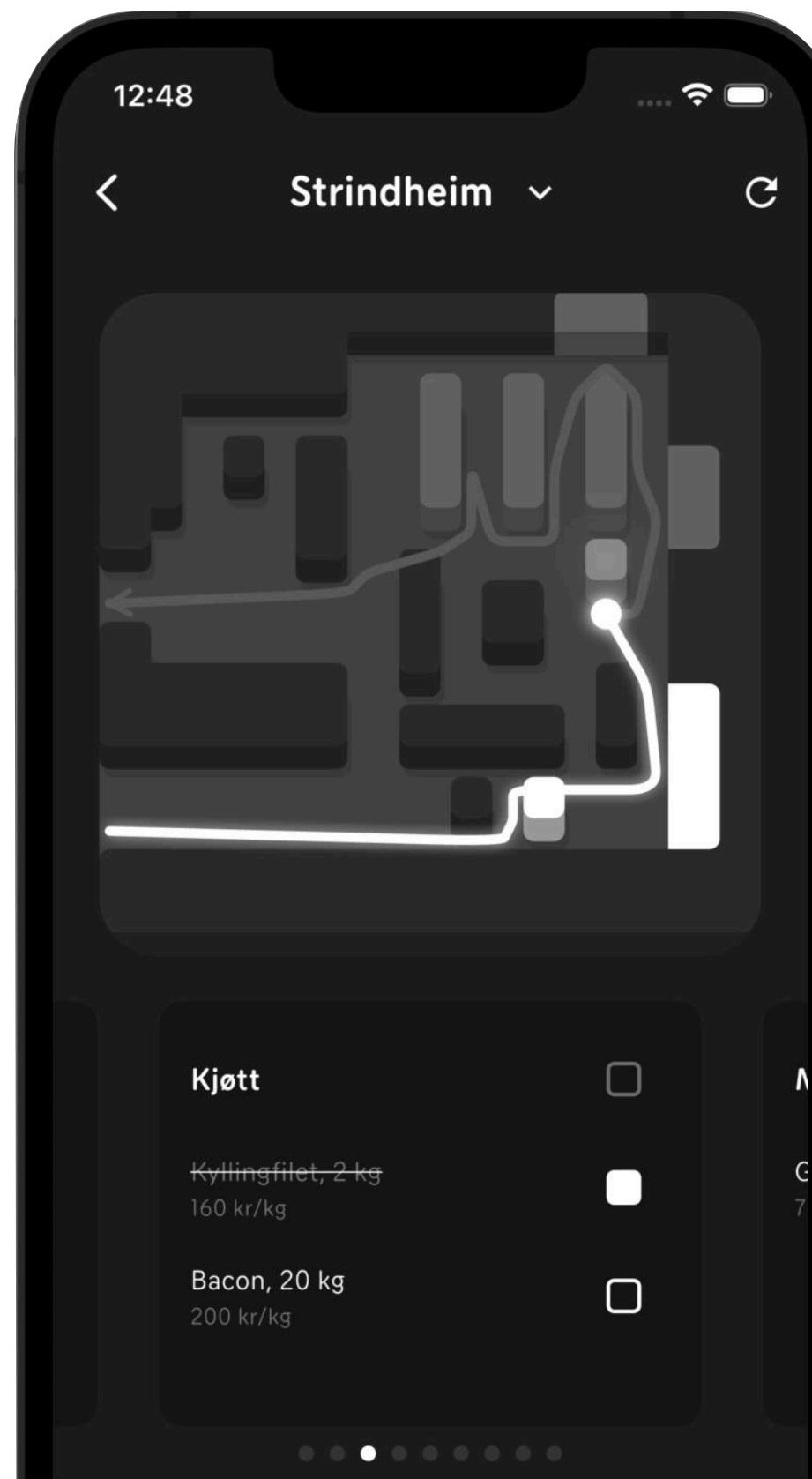
**Så ... hva lagde vi?**



# Admin Dashboard

Rediger og legg til nye Rema 1000 butikker og start butikkplanleggingen.

Med live oppdatering i app.



Admin Panel

Back to Strindheim

Store Layout

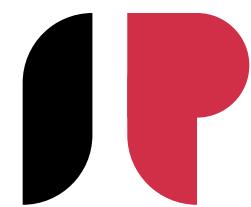
Manage Products Draw Move Resize Delete Distribute Products

Exit Enter

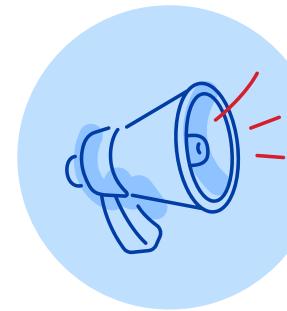
Add Products to this Aisle

Product	Price	Added?
Makrell filet 300 g	59.9 kr / kg	<button>+ Add</button>
Kaviar 185 g	34.9 kr / kg	<button>+ Add</button>
Røkelaks 150 g	69.9 kr / kg	<button>+ Add</button>
Frosne erter 900 g	29.9 kr / kg	<button>Remove</button>
Frosne bær mix 500 g	39.9 kr / kg	<button>Remove</button>
Frosne fiskefileter 400 g	69.9 kr / kg	<button>Remove</button>
Frosne kjøttboller 500 g	54.9 kr / kg	<button>Remove</button>
Frosne kyllingvinger 800 g	89.9 kr / kg	<button>Remove</button>
Laks filet 400 g	129.9 kr / kg	<button>Remove</button>
Krabbe kjøtt 200 g	99.9 kr / kg	<button>Remove</button>

**D E M O**



# Verdiskaping



## Tilbud i navigasjonskartet

Vi viser tilbud til brukerne når du går fra disk til disk når de nавigerer seg gjennom butikken.



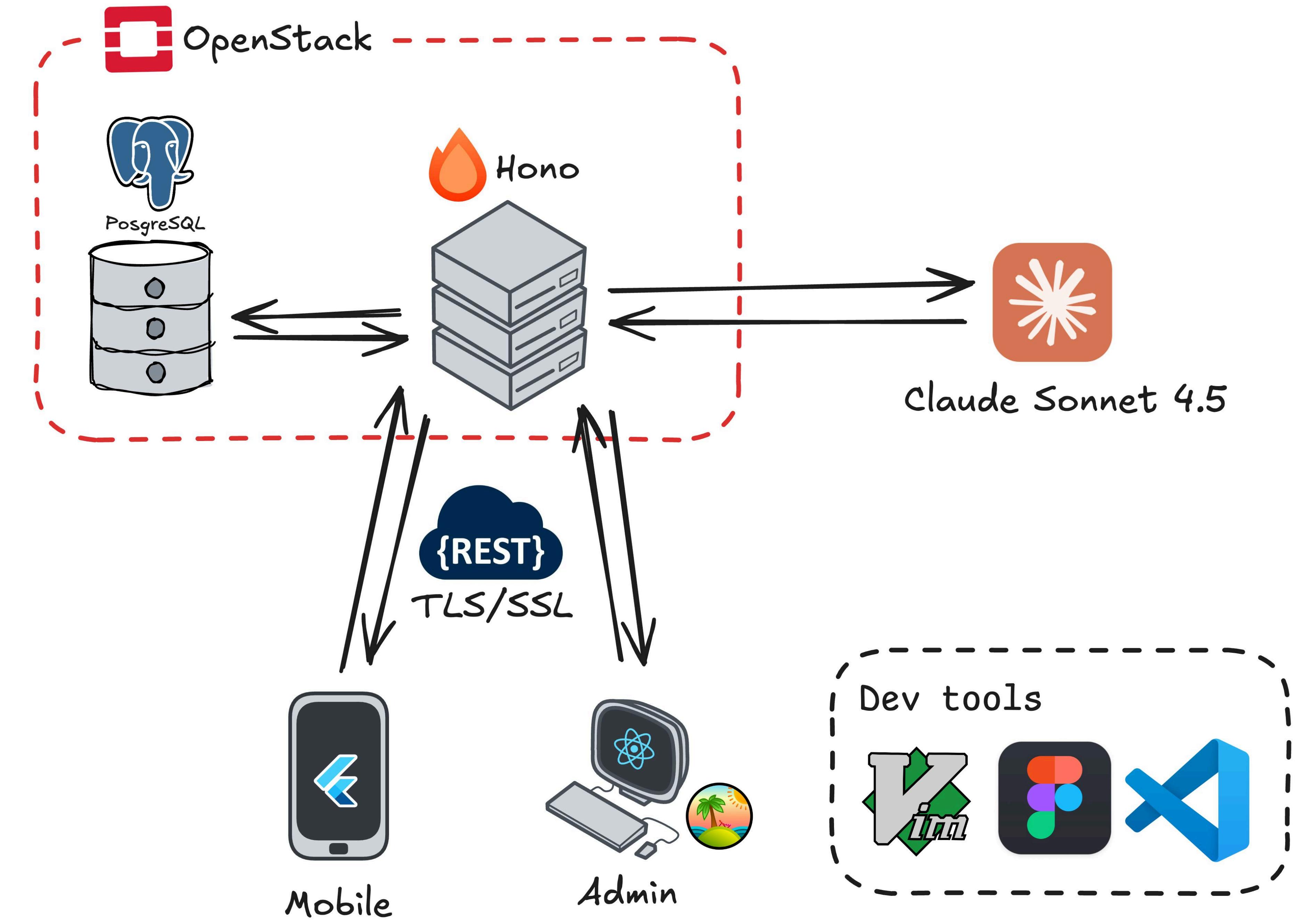
## Plattform for kjøpsmenn

Butikkeiere kan selv administrere produkter og layouten til butikken.



## Forbedret kundeopplevelse

Aldri mer trenger kunder å lete rundt i butikken for å finne det de trenger.





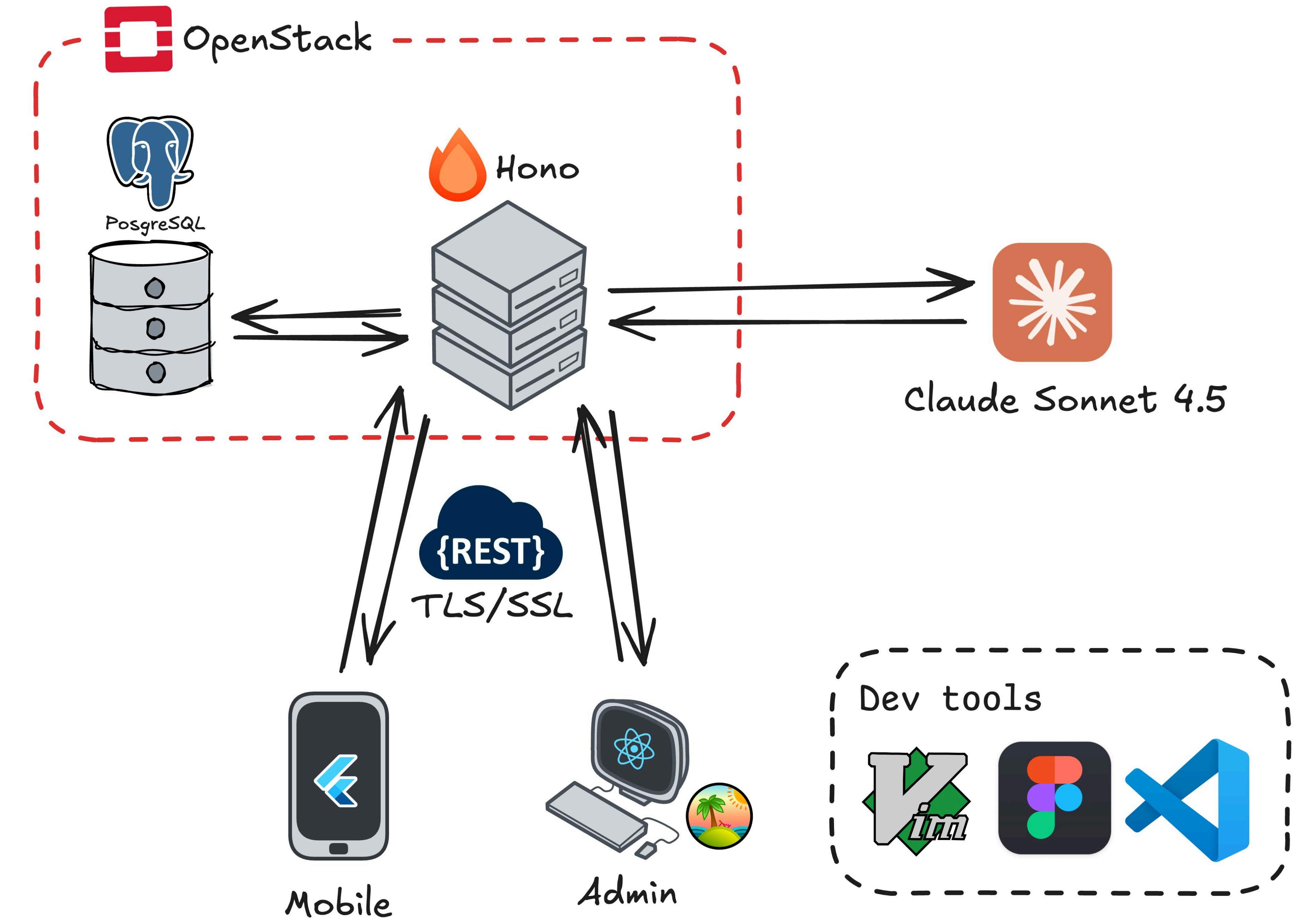
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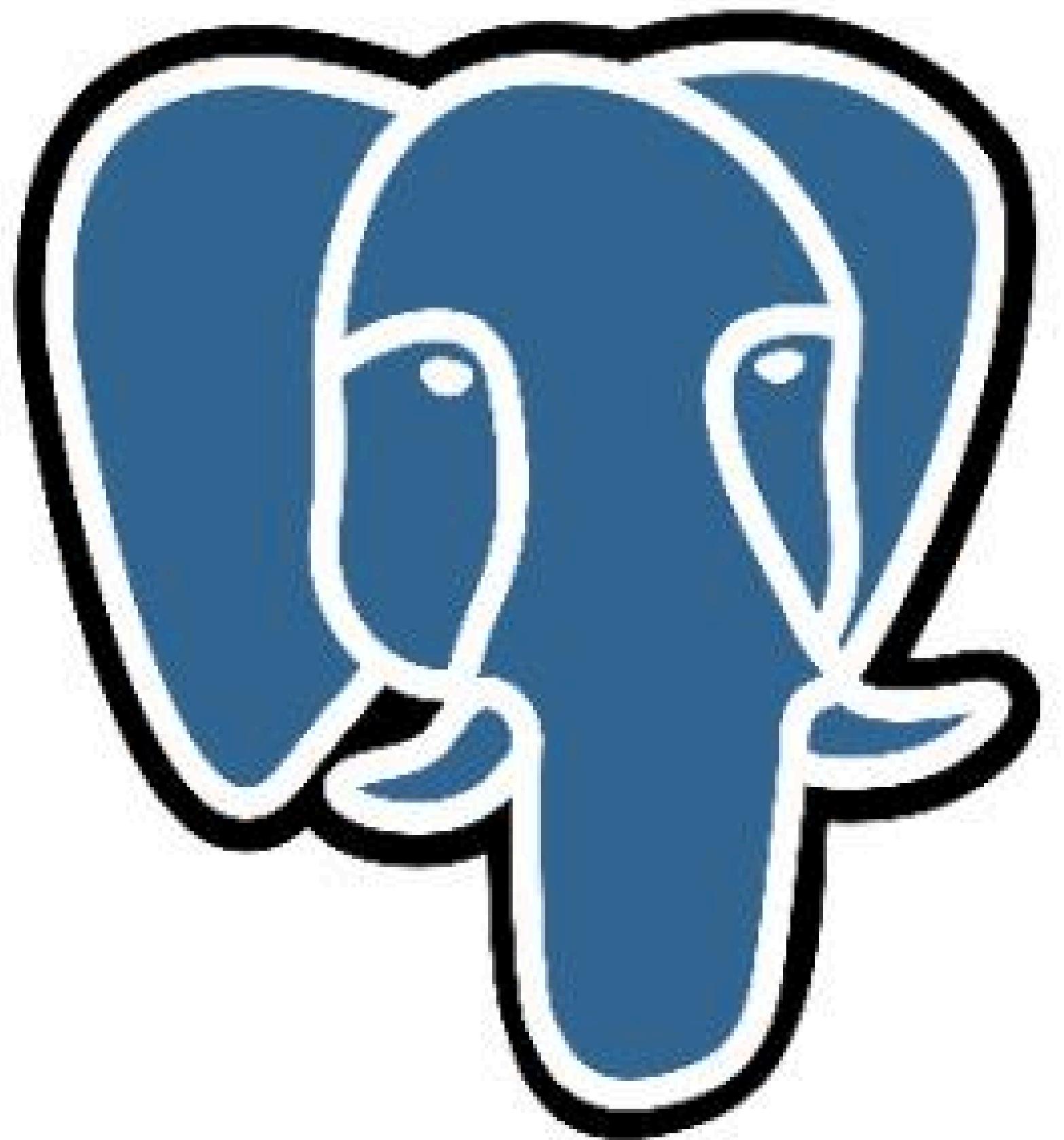
REST-API

MCP

OpenAPI

Admin-panel



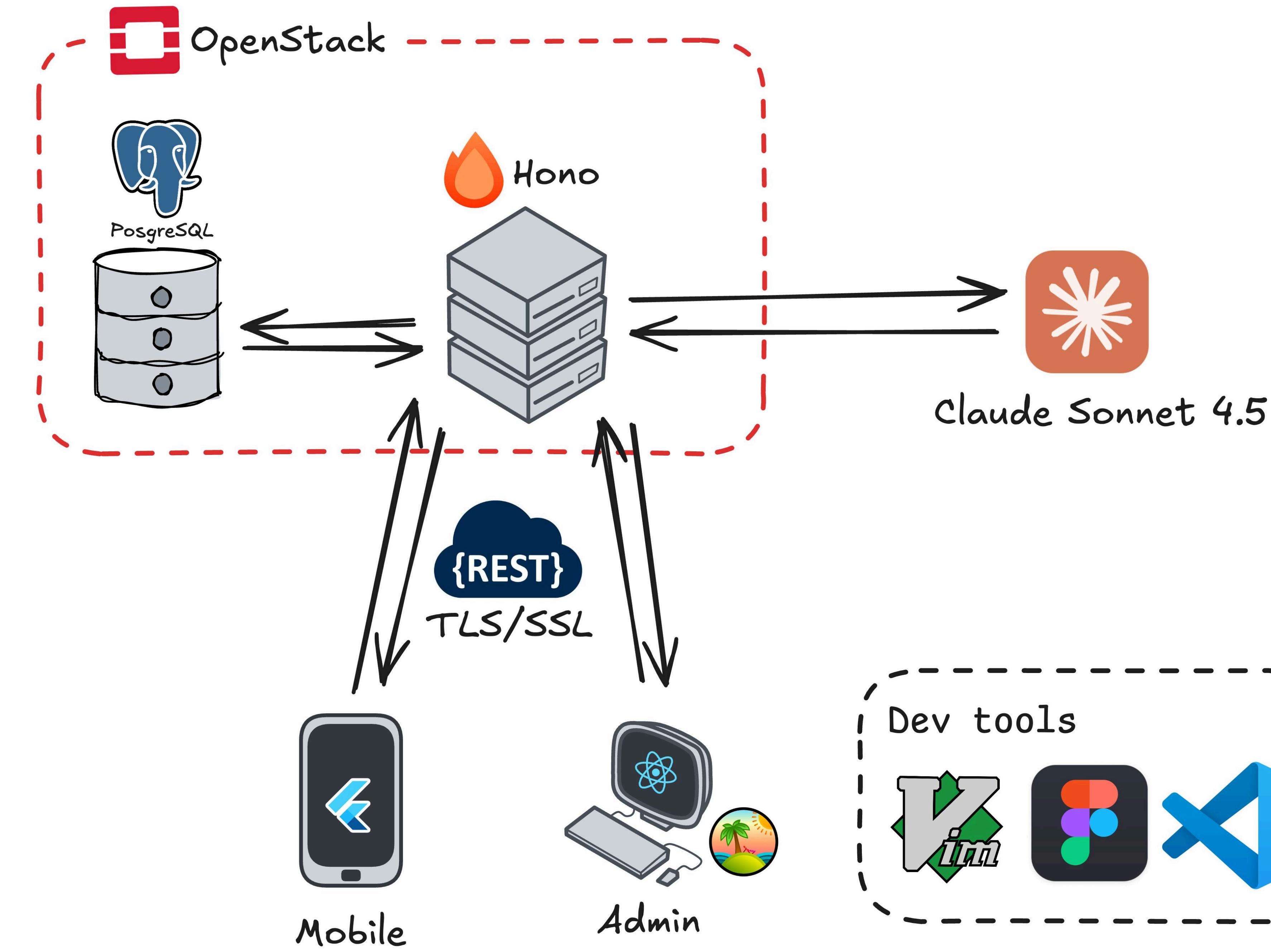


**PostgreSQL**

**Tried & Tested**

**Enkelt å kjøre**

**Relasjonell data**





# Mobile



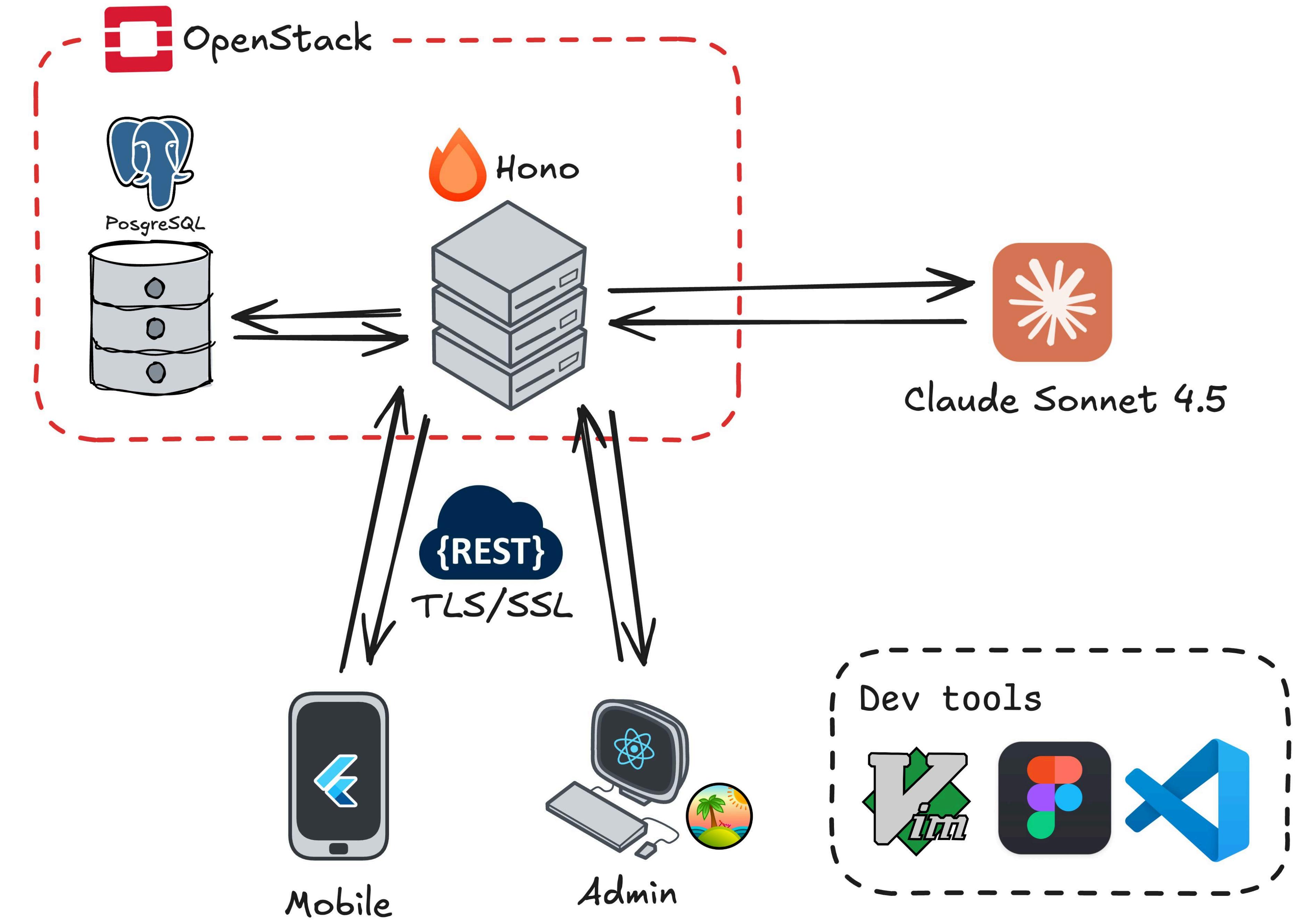
**Rask iterasjon med hot-reload**

**Cross-Platform**

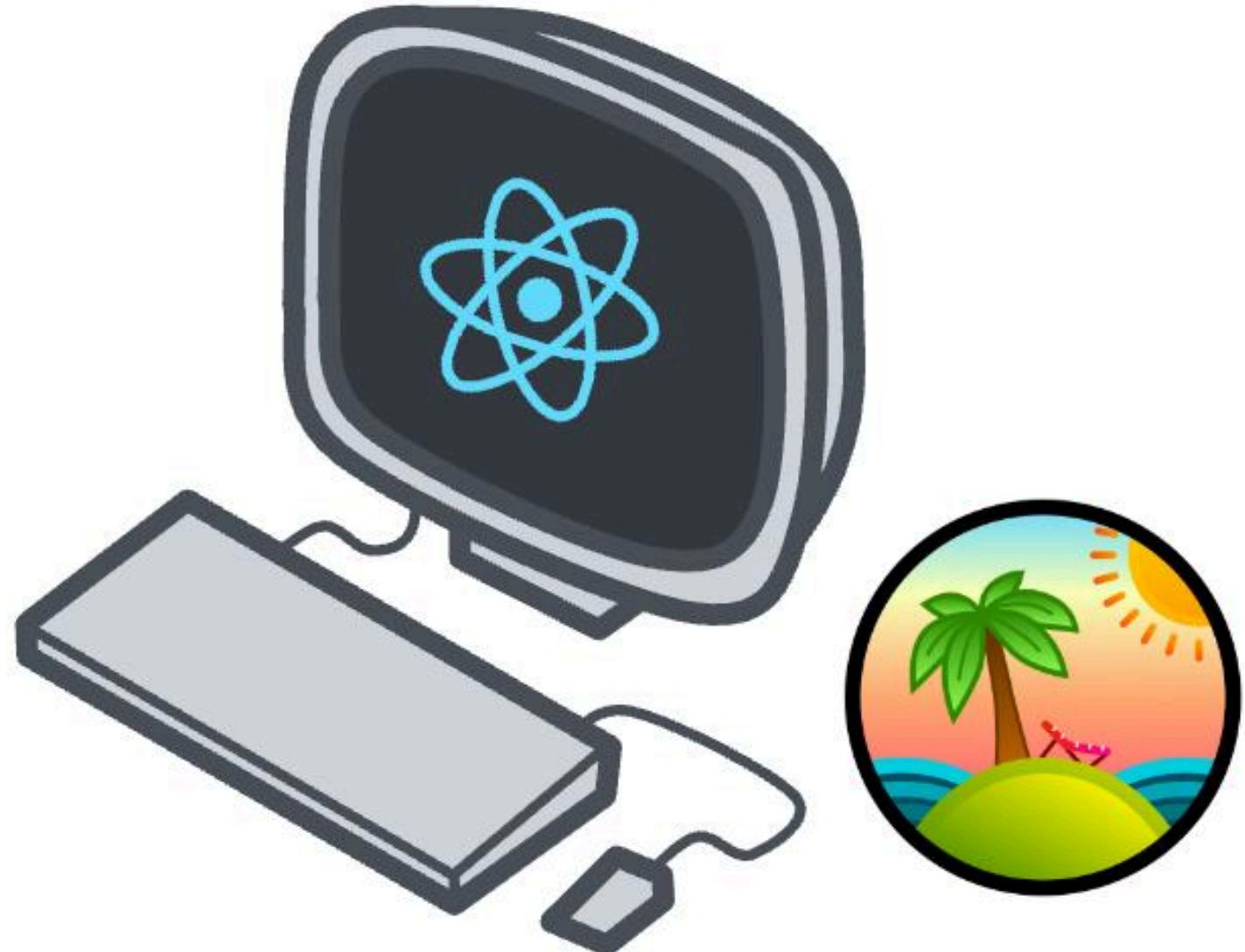
**Pixel-perfect  
rendering**

**Low-level control**

**Integert  
komponentbibliotek**



# React er populært

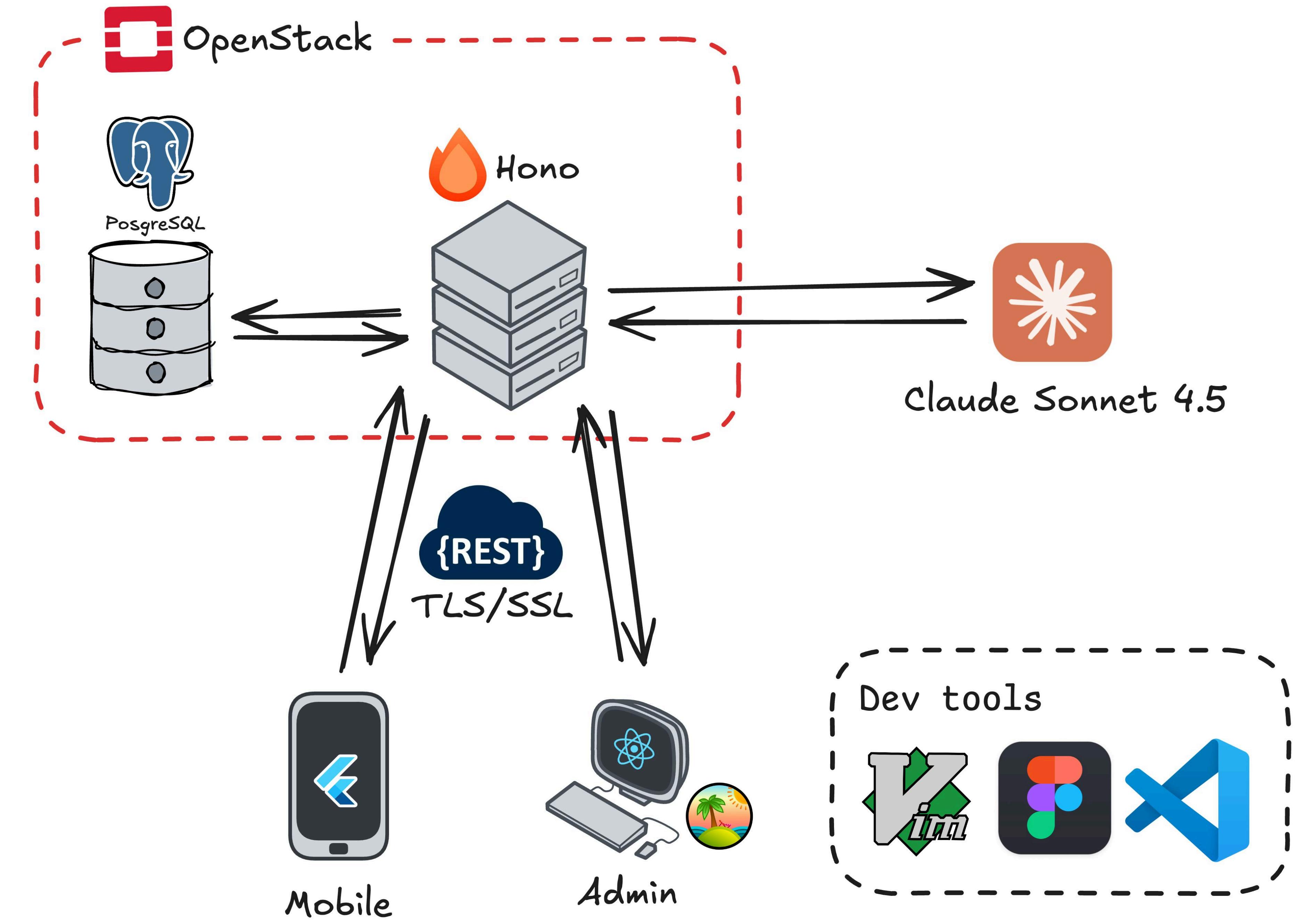


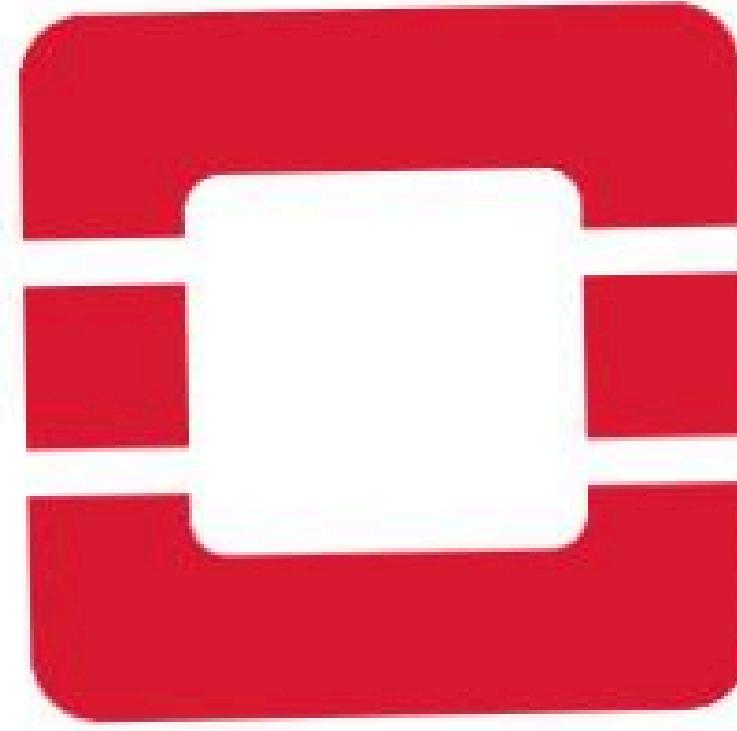
*Admin*

**Stort sortiment av  
biblioteker**

**Enkelt å distribuere**

**Alle enheter har en  
nettleser**



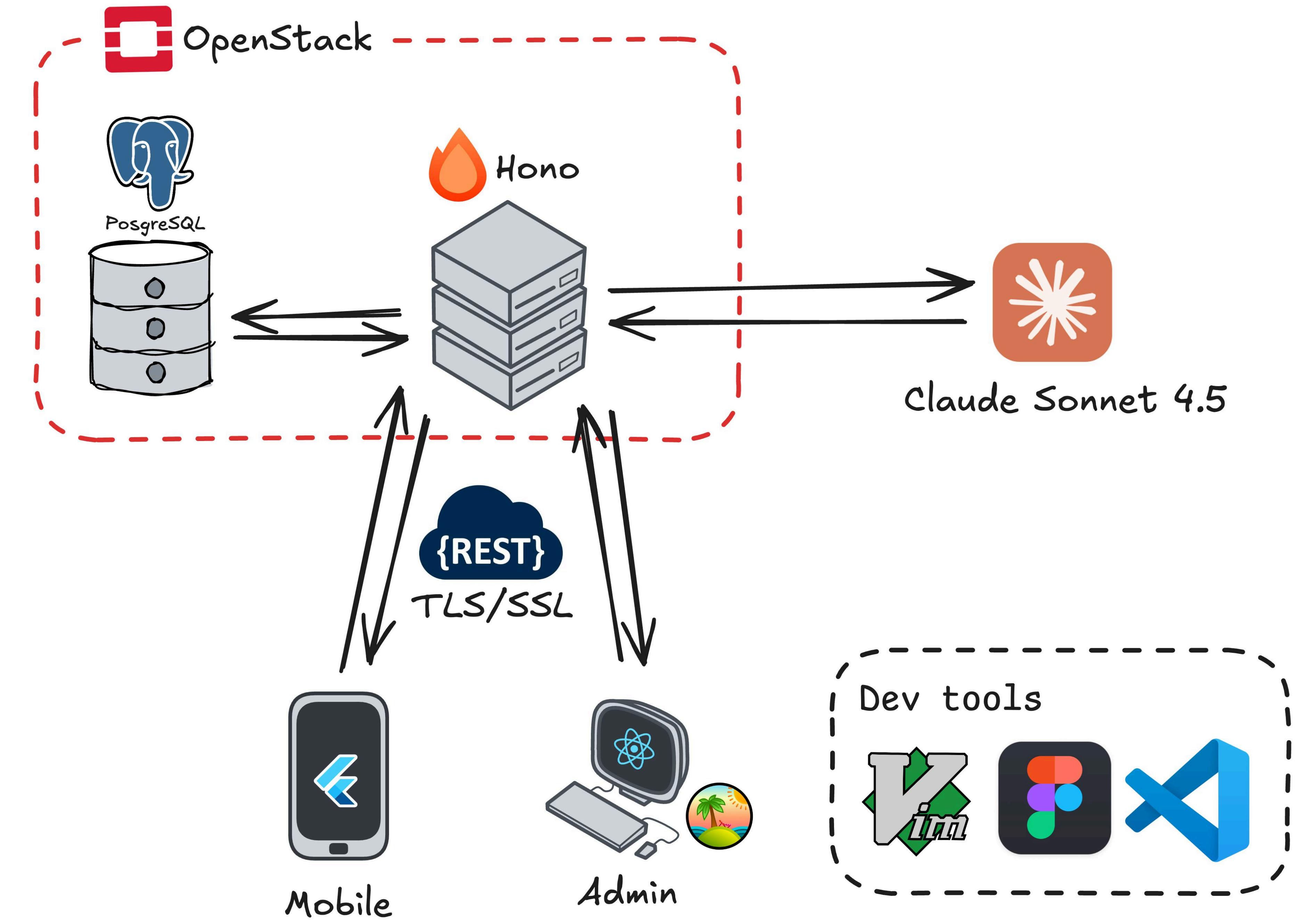


# OpenStack

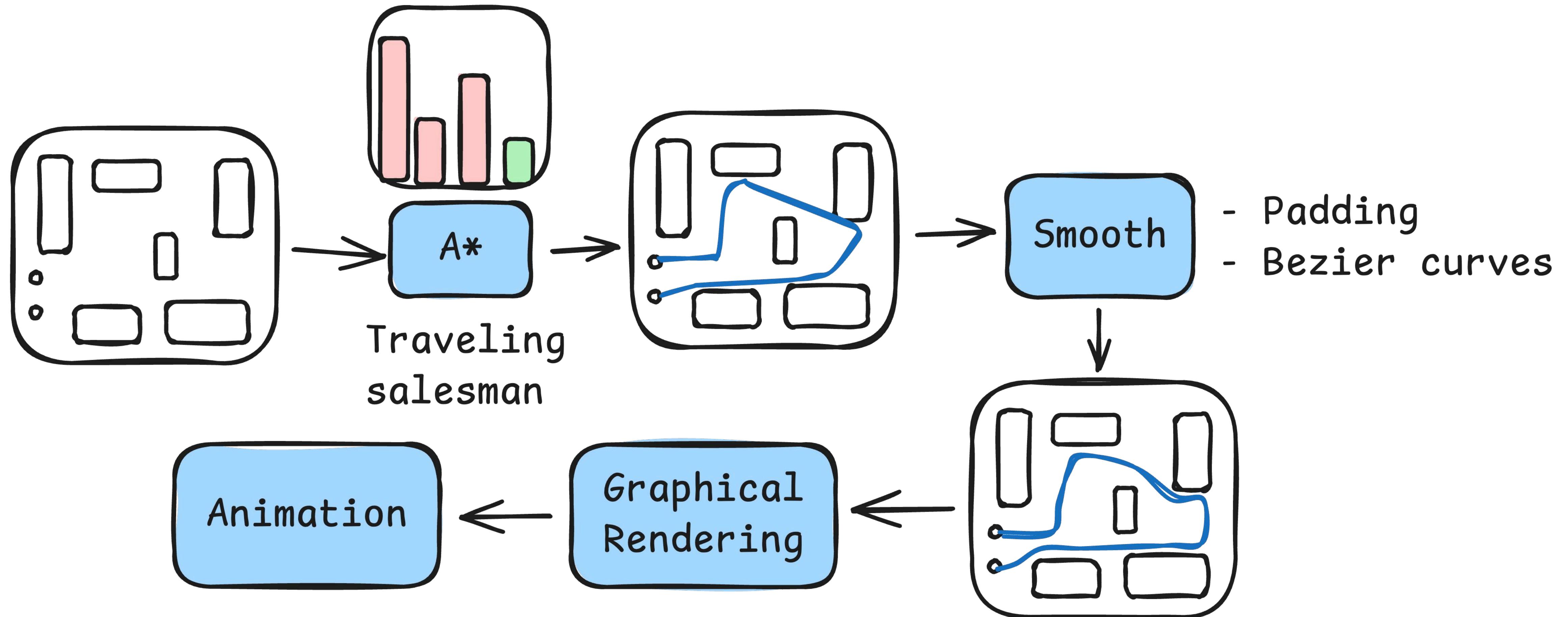
Auto-deployment med  
GitHub Workflows

Skremmer vekk live-demo  
spøkelset 🕷️

“Works on my  
machine”



# Kartet



# Forbedringspunkter for fremtiden



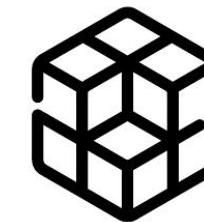
## MCP / RAG

Trene modellen på oppskrifter, vanlige handlelister. Tilby produktsøk og handlehistorikk til modellen.



## Kjøre egen modell

Self-hoste AI-modellen for å redusere kostnad, og øke datasikkerhet.



## Flere blokk-typer i kartet

Mer detaljerte blokker som kasse, frysere, hyller slik at kartet blir mer detaljert og lette å lese.

trenger dere ny app? 😊

tech debt? vi fikser 🔧

# Takk for oss!



**Anders Morille**

lille-morille

anders-morille



**Henrik U. Hausberg**

henrikhaus

henrik-hausberg



**Aleksander Evensen**

aleksanderevensen

aleksander-evensen



**Borgar Barland**

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